

**MATHEMATICS 1 (6
ECTS)**

The aim of the course is to familiarize students with the basic concepts of mathematical analysis, i.e, differential and integral calculus, necessary for various applications in economics. Students through lectures, reading assignments and homework, master the techniques and concepts of mathematical analysis: the function of one or more variables, graph functions , basic properties of elementary functions, limit (limes), continuity, derivation, optimization techniques and integral functions. All topics will be illustrated with examples from economics.